

**Friday September 21, 2018**

**7:30pm**

**Our Saviors Lutheran Church**

**1035 Carol Lane Lafayette**

**DX Interest Group Meeting**

**With Dave Piersall, N6ORB 6:30pm**

**\* License Testing 6pm \***

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**American Radio  
Relay League**

The National Association For Amateur Radio

**AFFILIATED  
CLUB**

## SEPTEMBER MEETING

# SAN RAMON VALLEY FIRE DISTRICT COMMUNICATIONS SUPPORT OF THE OCTOBER 2017 SONOMA COUNTY WILDFIRES

Brian Lindblom, WB6TJR, Rand Mahoney KK6BBT and Ryan Mahoney KK6BBS will present a program on their numerous days and nights these three and others spent working as reserve communications radio operators for the Sonoma County Fairgrounds Base Camp Communications Unit. Frequent PACIFICON visitor Communications Support 131 will be at the meeting and available for inspection. The Communications Unit handled all radio traffic from the three fires that made up the Central Complex.

The San Ramon Fire District Reserve Communication Unit is composed of 16 volunteers who deploy the "CS 131" Communication Support Truck for major fires and community events. Members also are paged and respond to second alarm district fires and deploy the breathing support truck to fill self-contained breathing apparatus tanks and provide food and water for firefighters at major incidents.



# WELCOME NEW MEMBERS

David Berkompas, AI6K  
Glen Brown III, N6GEB  
Robert Gallagher, KA6IRT  
David Holmes, KM6BCP  
William Paden, KK6QJA  
Martyn Williams, KJ6SJF

If you hear any of these new members  
on the air, please welcome them to our  
club.

— *Tom Deeble, KA6SIP*



**When you purchase at Amazon dot com  
smile, a portion of your purchase is  
donated to our club.**

**Go to:  
<https://smile.amazon.com/ch/23-7072059>**

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ALL MEMBERS ARE INVITED TO JOIN  
THE CLUB E-MAIL GROUP.  
DOWNLOAD FILES, INCLUDING *THE  
CARRIER* IN **FULL COLOR** AS WELL AS  
SHARE INFORMATION WITH THE  
MEMBERSHIP AT:

**<https://groups.io/g/MDARC>**

*(the Yahoo group will be abolished)*

\*\*\*\*\*

**Mount Diablo Amateur Radio Club W6CX**  
**P.O. Box 23222 Pleasant Hill, CA 94523**  
**(925) 288-1730**

*The Carrier* is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

**President** - Larry Bradley, KK6QPE  
**Vice President** - Ed Morales, KJ6KYT  
**Secretary** - Dick Fletcher, AF9RF  
**Treasurer** - Cathi Walton, K2CJW  
**Technical Committee Chair**  
Jim Siemons, W6LK

**Directors At Large**  
Trevor Hall, WA6JAU      Terry Buxton, KK6KGX  
Janice Fujii, KG6VTD      John Primus, AF6RJ

**Emergency Coordinator** - Ron Bunch, W4FEK

**Membership Chair** - Tom Deeble, KA6SIP  
[mdarcmembership@mdarc.org](mailto:mdarcmembership@mdarc.org)

## **PACIFICON 2018**

Chair: Misa Siemons, KJ6BUE  
Registration: Tom Deeble, KA6SIP & Debbie Deeble  
Treasurer: Jim Siemons, W6LK  
Secretary: Pete Harris, KE6ZIW

Annual Auction - Jim Siemons, W6LK  
Communications Trailer - Larry Loomer, KI6LNB  
Communications Van - Lauren Styles, WA6CIE  
Digital Media - Mike Patterson, N6JGA  
Education & Training - John Primus, AF6RJ  
Field Day - Larry Loomer, KI6LNB  
Good & Welfare Coordinator - Diana Sage, KA6TZU  
Holiday Party - Misa Siemons, KJ6BUE  
License Testing - Larry Loomer, KI6LNB  
Outreach Coordinator - Jim Siemons, W6LK  
Public Service - Klaus Berkner, K6KHB  
Refreshments: Elizabeth Styles, KG6HLV  
Repeater Trustee W6CX - Jay Caldis, KT6Y  
Trustee W6LGW - Dick Brown, KT6X

## ***The Carrier* Newsletter**

Editor, Matthew G. Vurek, N4DLA  
[n4dla\\_cs245@yahoo.com](mailto:n4dla_cs245@yahoo.com)  
Proofreader - Larry Loomer, KI6LNB  
Printing: Tom Deeble, KA6SIP

## ***Amateur Television Help and Information:***

John Schuler, W6DTV      [JOHNQRZ@aol.com](mailto:JOHNQRZ@aol.com)  
Fred Coe, WB6ASU      [wb6asu@icloud.com](mailto:wb6asu@icloud.com)



# Club Communications Trailer Refurbishment Completed !

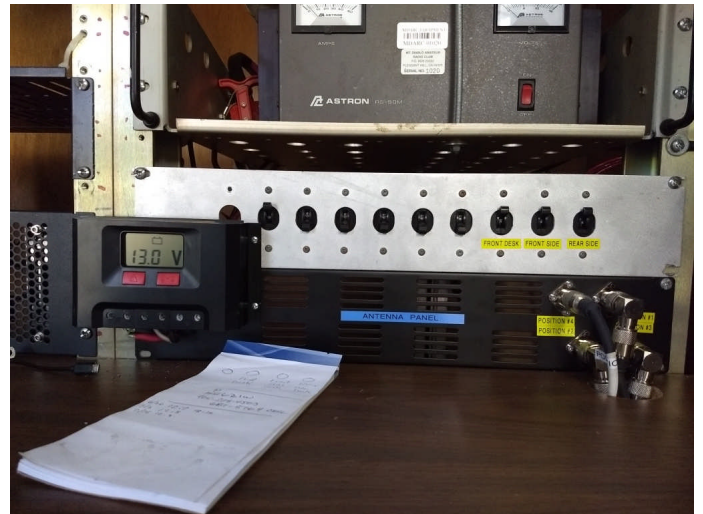
At our August club meeting, Trailer Committee Chair Larry Loomer, KI6LNB, presented certificates of gratitude to two club members that that put in a lot of thought and time into making the MDARC trailer a viable entity once again.

*Mike Warren, W6MEW, for all of the design and implementation upgrades that you installed in the MDARC Trailer; during the refurbishing of said trailer. Your operating ideas and quality workmanship were greatly appreciated by the Trailer Committee re-commissioning team.*

*Brent Morgan, AF6HQ, provided numerous ideas during the planning for the trailer refurbishment. Your ideas were greatly appreciated by the Trailer Committee re-commissioning team.*

73, Larry Loomer, KI6LNB

(All photos taken on August 19, 2018 by Mike Patterson, N6JGA)





# President's Message



**September 2018**

MDARC Family,

By the time you read this we will have completed the first six or seven sessions of our 10-week MDARC/SATERN Amateur Extra Class License Course. We offer this course every two years and have 30+ students this year. When you see the seminar leaders, be sure to thank them.

is hard to believe that we are approaching the end of the year and for our club this means Pacificon, Banquet, and elections.

If you haven't registered for Pacificon, then do so NOW. Maybe you've attended a bazillion times in the past, but there are always new things to learn as well as the latest equipment and "ham toys" to inspect and purchase.....or add to your wish list. So, if you haven't registered, then please do so and come join the fun and participate in one of MDARC's premier events.

Election time! A Nomination Committee is at work to add people like you to the ballot for Club officers. Yes, people like you. So, if Committee approaches you, give it serious consideration. Think about it. The Club only exists if the club members take ownership and volunteer to serve on the Board or on our Committees.

As I write this, it is early in the morning and I am sitting in my Ham shack. The temperature is still a bit cool and the door is open. I hear the sounds of an early morning: bird song starting up, a hummingbird's high-pitched chirping, my neighbor's macaws and parrots, an occasional squirrel scampering on the roof, distant freeway noise, our three chickens reminding me to feed them, and occasional bark from our dog.

I am sure that many of us have a ham shack story. After all, for most of us, these spaces have been set aside not just for "ham fun," but also as a place to "hang out," tinker or just relax. Most of us do not have the space to have a mega "man cave," and maybe it is just a space in a closet or a corner of the garage. But wherever it is, it is the place we call "my ham shack."

Let me share my ham shack story. Many years ago we purchased what was billed as a garden shed and it came with a nice counter and sloped roof complete with translucent plastic. Rather than becoming our garden shed, it soon became storage for camping gear, bicycles, and emergency supplies like food, water, and shelter. Then one day.....BAM! A branch from a large oak tree in the adjacent came crashing down and completely destroyed our "garden shed." Our homeowner's insurance helped to cover the loss including replacing this shed.....we no longer considered it a garden shed. So in went the same stuff for storage until I got my ham license in late 2014 and I knew I needed a place to tinker and had my eye on that shed, but what to do with the stuff inside? Of course, problem solved! Just buy a new storage

shed. Once it was set up in another corner of the backyard, I transferred and set it up in a corner most of the stuff to it. Viola! Space for my ham gear!

My ham shack is probably a lot like yours. A little messier than I would prefer, books and manuals being read or to be read, family pictures, radio awards, an assortment of VHF/UHF/HF rigs, radio kits to build, solar project to complete, and a stack of old QST magazines just waiting to be read again for the articles that interested me earlier or for those articles I did not understand the first time.

My ham shack is the white building....remember the sloping roof? And as an added bonus, the other building is my sleeping cabin so at night I'm not far away! It is cozy inside but provides me plenty of room.

How about sharing your ham shack story with the rest of us?



*"The greatest motivational act one person can do for another is to listen."* Roy E. Moody



# CLUB ON LINE STORE IS NOW AVAILABLE

Thanks to Past President Jim Siemons, W6LK, the MDARC on line store is now open for business. It will offer a growing selection of MDARC logo'd items. We only have a single item at the moment, but more are coming. We wanted to get the word out right away.

Our first item is a call sign badge from The Sign Man. They're the company that makes the official ARRL name badges, and they offer a wide selection of other items.

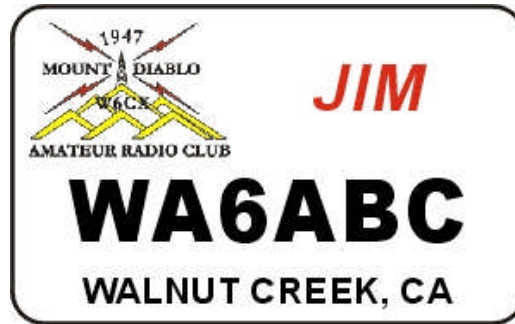
Place your order at <http://www.mdarc.org/about-us/store>

In addition, if you explore the Sign Man's web site and see something you'd like to have with the MDARC logo on it, contact them and see what they can do.

Finally, we're looking into jackets, vests, ball caps and other items to add to the site. If you have suggestions for items to offer, and especially potential vendors that offer them, please let me know at [n6jga@arrrl.net](mailto:n6jga@arrrl.net)

Thanks,

Mike Patterson, N6JGA  
Digital Media Chair



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## Carrier Newsletter Editor Receives ARRL East Bay Section Appointment

On August 25, 2018, ARRL East Bay Section Manager Jim Siemons, W6LK, a past MDARC president, appointed newsletter editor Matthew G. Vurek, N4DLA, as the section's Affiliated Club Coordinator (ACC). N4DLA has been an ARRL member for over 41 years since he was first licensed as novice class WB3GYL as a young Maryland teenager on April 5, 1977. He joined MDARC in 2006 and was appointed newsletter editor in late 2009. In addition, he is a co-founder of the Lamorinda Area Radio Interest Group (K6ORI) and is also a member of the Quarter Century Wireless Association's Mount Diablo Chapter 228, the QRP Amateur Radio Club International, the 10-X International Net and the Straight Key Century Club. As ACC, N4DLA will be responsible for working with the section's ARRL-affiliated clubs (eligible clubs' membership are composed of over 50 percent ARRL members) to make them more effective resources in their communities.

If anyone is interested in participating in a high altitude balloon launch and putting your APRS skills to good use here is your chance.

Dick Wade WM6G  
Outreach Coordinator

----- Forwarded message -----

From: L. Paul Verhage <nearsys@gmail.com>  
Date: Sun, Jul 8, 2018 at 6:53 AM  
Subject: Re: High Altitude Balloon Launch

I'm a high altitude balloon launcher from Idaho. You might be familiar with me if you read my near space column in Nuts and Volts magazine. I've launched 185 balloons to date with the highest reaching 124,700 feet. Since I have family in the Bay Area that I plan to visit over the Labor Day weekend, I am planning to launch from California again.

The launch will take place on Sunday the 2nd from near Orinda. The exact launch site will be determined about a week prior to launch and be based on winds aloft data. The balloon will be tracked with APRS. The transmission is in 144.390, a popular frequency for tracking. Anyone who can track with APRS can follow along and even participate. The flight can also be monitored over the internet because of IGates. I'd like to invite anyone interested in seeing a balloon launch or interested in tracking the balloon to come out.

If you're interested, please contact me at [nearsys@gmail.com](mailto:nearsys@gmail.com).

Thanks, L. Paul Verhage

# Volunteers needed for Mount Diablo Events on October 7 and November 3

We have two more public service events coming up, both on Mount Diablo, and we are looking for hams to assist the course marshals. The first one is a bicycle race up to the top. Hundreds of bicyclist participate in this annual event, and we help assure communications if help is needed. All you need is a hand-held FM transceiver (although mobile units are also welcome). The weather is usually nice this time of year, and if you haven't been up on Diablo for a while, you will be thrilled by the fantastic views from up there. If you're interested, please contact Barry Isseks, K6ZA, [bisseks@me.com](mailto:bisseks@me.com).

PS The other Mount Diablo event will be the Diablo Summit Stomp on November 3. This is a running and bicycling race.

If you are interested, please contact Larry Loomer, KI6LNB, [laryloomer@yahoo.com](mailto:laryloomer@yahoo.com).

Klaus Berkner, K6KHB  
Public Service Coordinator

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**Visit this Vehicle in the  
Parking Lot at Our  
September 21 Club  
Meeting**





*Many amateur radio operators make “working DX” a major goal at one time or another while on the air. DX (“dee ex”) is a term amateurs use to signify a long distance contact with a station in another country or continent. The abbreviation originated from the telegraphic shorthand term for “distance” or “distant.”*

## **DX Code Of Conduct** from <http://www.dx-code.org/>

I will listen, and listen, and then listen again before calling.

I will only call if I can copy the DX station properly.

I will not trust the DX cluster and will be sure of the DX station's call sign before calling.

I will not interfere with the DX station nor anyone calling and will never tune up on the DX frequency or in the QSO slot.

I will wait for the DX station to end a contact before I call.

I will always send my full call sign.

I will call and then listen for a reasonable interval.

I will not call continuously.

I will not transmit when the DX operator calls another call sign, not mine.

I will not transmit when the DX operator queries a call sign not like mine.

I will not transmit when the DX station requests geographic areas other than mine.

When the DX operator calls me, I will not repeat my call sign unless I think he has copied it incorrectly.

I will be thankful if and when I do make a contact.

I will respect my fellow hams and conduct myself so as to earn their respect.

*Submitted by Larry Loomer, KI6LNB*



# California QSO Party



**53rd Running Of The CQP!**  
**1600 UTC October 6, 2018 to 2200 UTC October 7, 2018**  
CQP 2018 Begins:  
**40:11:22:17**  
Days Hrs Mins Secs



## CQP & improving your operating skills

From an operating point of view, what do Public Service, chasing DX or working contests have in common?

They all require accurate copy of information under stress – whether the stress of the moment, the adrenaline rush of rare DX or contest pile up, you have to accurately copy and relay information.

Entering a contest either casually to give some points or as a serious effort, Contesting provides a great learning experience for information copy “under fire”.

The first weekend of October (October 6-7 this year) sees the 53rd running of the California QSO Party – a great opportunity for stations in California because everyone else HAS TO WORK US!

We **are** the DX! Whether you are a “big gun” with stacked yagis and 1500 watts, or a “little pistol” with 100 watts to a vertical or a wire antenna, everyone else in the world wants to work YOU to pick up one of the 58 counties in our state.

It’s a lot of fun being on the receiving end of a pile up or searching & pouncing for other states and countries.

For California stations the object of the contest is to work as many stations as possible on SSB and CW. You can work the same station on each band and each mode for score credit. Every US state and Canadian province you work counts as a multiplier – 58 total for us just like the number of counties in California.

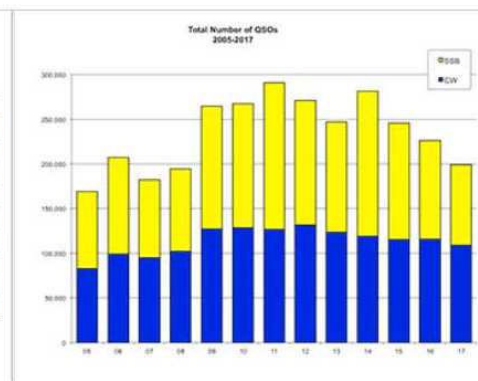
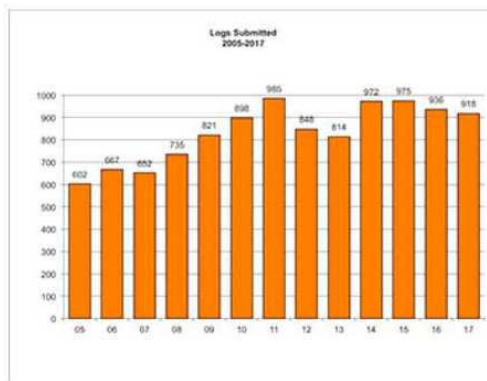
Want to really be on the end of a pile up? Plan a “CA Expedition” to one of the rarer counties in California and the rest of the world will beat a path to your log!

Low Power, High Power? CW or SSB? CQP is a fun contest for all.

CQP is sponsored by the Northern California Contest Club. A group of NCCC volunteers help with promotion, planning county expeditions and processing all the logs to score the contest.

The last 10 years have seen a great increase in the number of logs submitted from the US, the DX world and (of course!) from California.





Last year we received 915 logs representing a total of 250,000 QSOs:

Every station that submits a log is eligible for an achievement certificate and there are several operating categories where the leader receives a CQP plaque for proud display on the shack wall.

Three categories are designed to encourage operation in contests:

- YL award
- Youth (< 18) award
- California New Contester

To encourage more small-medium club participation, we've created three new competition categories:

- **"Small"** = the 10 highest scores from a club whose members who submitted their log in the Small category will count for this competition category.
- **"Medium"** = the 35 highest scores from a club whose members who submitted their log in the Medium category will count for this competition category.
- **"Large"** = clubs may combine the scores of any number of their members

If you work all 58 counties, you qualify for the "Worked All California Counties Award" sponsored by NCCC.



You can find the full rules and award details on the CQP web site at <http://www.cqp.org>.

So if you've never entered a contest or have only dabbled in the past, this QSO party is for you! Part-time or full-time, home operator or an expedition to a new county, CQP is a blast!

We hope you will join us this year and have a lot of Fun!

*Glen Brown, W6GJB*  
*CQP Chair*



Saturday, Oct 6th, 2018 - Benicia, CA



# AMATEUR RADIO LICENSE CLASS

## Study Session followed by Exam

**When:** Saturday, Oct 6th, 2018

7:30 AM - 5:00 PM

**Where:** Benicia Senior Center

1201 East 2nd Street, Benicia

**What:** Technician Class (beginner's level)

General Class Upgrade (for those already licensed as a Tech)

**Fee:** \$30.00 cash at the door

(Includes exam fee)

**Register:** [www.BeniciaARC.com](http://www.BeniciaARC.com)

**Questions:** [HamRadioClass@BeniciaARC.com](mailto:HamRadioClass@BeniciaARC.com) or Art at (925) 212-9953

Conducted by:

Benicia Amateur Radio Club (BARC)

Member WSYI VEC

Serving the Benicia Fire Department and  
the Residents of the City of Benicia



Class size is limited. Advance Registration is Required.

No prep or prior study required.



Prospective Hams should plan on attending a free Get-On-The-Air Class after passing their test, to become familiar with Amateur Radio operations

## Reserve Your Space - Become a Ham in One Day!



Can't make the  
upcoming class?  
Check our website  
periodically for our  
next session.

Element 4 (Extra class)  
You need only pay the  
test fee of \$14. We do  
not provide study  
materials for Element 4.





# HAM RADIO OUTLET

14 STORE BUYING POWER!

**ICOM**



## IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



## IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



## IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



## ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

## ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz\*\* • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



**KENWOOD**



## TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



## TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



## TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



## TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

## TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



**YAESU**  
The radio



## FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



## FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



## FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



## FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

## FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - [WWW.HAMRADIO.COM](http://WWW.HAMRADIO.COM)
- MAIL - All store locations

ANAHEIM, CA  
(800) 854-6046

OAKLAND, CA  
(877) 892-1745

BURBANK, CA  
(877) 892-1748

SAN DIEGO, CA  
(877) 520-9623

NEW CASTLE, DE  
(800) 644-4476

PORTLAND, OR  
(800) 765-4267

DENVER, CO  
(800) 444-9476

PHOENIX, AZ  
(800) 559-7388

ATLANTA, GA  
(800) 444-7927

WOODBIDGE, VA  
(800) 444-4799

SALEM, NH  
(800) 444-0047

PLANO, TX  
(877) 455-8750

ONLINE STORE  
[WWW.HAMRADIO.COM](http://WWW.HAMRADIO.COM)

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



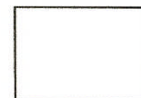
## The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

[www.mdarc.org](http://www.mdarc.org)



## NEXT MONTH:

## FIRST CLASS



<https://www.facebook.com/mdarc.org>

### W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.781- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.781- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.781- 441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

FM 147.060 MHz + / PL 100Hz -

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

<https://www.broadcastify.com/listen/feed/25334>

**D-STAR** 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

Digital ATV Output 1244.500 Digital ATV Input 1292.500

Analog ATV Inputs: 1270.000 FM (PL 192.8) 915.0 AM

**ATV Internet Stream:** <http://w6cxatv.mdarc.org/>

### Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

### Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

## September and October 2018 Club Calendar

Friday September 21, 2018	7:30pm	MDARC General Meeting- - Our Savior's Lutheran Church 1035 Carol Lane, Lafayette
Monday October 1, 2018	7:00pm	MDARC Board Meeting Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek
Saturday October 6, 2018	8:00am	MDARC Technical Committee Meeting Environmental Center, 2581 Harbor Street, Pittsburg
Friday October 19, 2018	7:30pm	MDARC General Meeting — at <b>PACIFICON</b> — Salons E through H San Ramon Marriott Hotel, 2600 Bishop Drive, San Ramon